

**In the Specification:**

Please substitute the specification with the substitute specification (without claims and Abstract) attached herewith.

**In the Claims:**

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1. (Currently Amended) ~~A carbon~~ An electrode ~~coated with~~ comprising a porous metal thin film ~~with the thickness of a few Å~~ a few μm on ~~a carbon electrodes~~ electrode for a secondary battery, wherein the porous film consists essentially of a metal or a metal alloy and the carbon electrode is a solid sheet.

2. (Currently Amended) A method for fabricating ~~carbon~~ an electrode ~~coated with~~ comprising a porous metal film comprising:

positioning a sheet of carbon material within a vacuum chamber;

coating a porous metal film ~~with a thickness of a few Å~~ a few μm on ~~the surfaces~~ a surface of the sheet of carbon material; and

stabilizing the ~~thusly coated carbon material~~ porous metal film under a vacuum of below  $10^{-1}$  torr at a temperature of 20°C ~ 100°C for 1 ~ 24 hours.

3. (Currently Amended) The method of claim 2, wherein the porous metal film is coated by ~~one of~~ a process selected from the group consisting of a heating deposition process, an electron beam deposition process, an ion line deposition process, a sputtering deposition process, ~~or~~ a laser ablation process, or and a combination thereof.

4. (Currently Amended) The method of claim 2, wherein the porous metal film comprises a metal or a metal alloy is at least one selected from the group consisting of lithium, aluminum, tin, bismuth, ~~silicon~~, antimony, ~~nickel~~, copper, titanium, vanadium, chrome, manganese, ~~ferrite~~ iron, cobalt, zinc, molybdenum, tungsten, silver, gold, platinum, ruthenium, iridium, indium ~~or their alloys~~ and a combination thereof.

5. (Canceled).

6. (Currently Amended) The method of claim 2, wherein the carbon material is comprises an active material such as selected from the group consisting of graphite, coke, ~~or~~ hard carbon and a combination thereof.

7. (Currently Amended) A lithium-ion secondary battery comprising: ~~a carbon electrode coated with a porous metal thin film having a thickness of a few Å -- a few μm;~~ the electrode of claim 1 and an anode cathode comprising a cathode material selected from the group consisting of LiCoO<sub>2</sub>, LiMn<sub>2</sub>O<sub>4</sub>, LiNiO<sub>2</sub>, V<sub>6</sub>O<sub>13</sub> ~~or~~ and V<sub>2</sub>O<sub>5</sub>.

8. (New) The lithium-ion secondary battery of claim 7, wherein the porous metal film comprises a metal or a metal alloy selected from the group consisting of lithium, aluminum, tin, bismuth, antimony, copper, titanium, vanadium, chrome, manganese, iron, cobalt, zinc, molybdenum, tungsten, silver, gold, platinum, ruthenium, iridium, indium and a combination thereof.

9. (New) A lithium-ion secondary battery comprising the electrode of claim 1.

10. (New) An electrode for a secondary battery comprising a porous film on a solid sheet of carbon material, wherein the porous film comprises a metal or a metal alloy.

11. (New) A lithium-ion secondary battery comprising the electrode of claim 10.